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Title: Quantification of plant cell wall monosaccharides by reversed-phase liquid chromatography with 2-aminobenzamide pre-column derivatization and a non-toxic reducing reagent 2-picoline borane

Author: Jingjing Fang Guochen Qin Jun Ma Yi-Min She



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1 **Quantification of plant cell wall monosaccharides by reversed-phase liquid**
2 **chromatography with 2-aminobenzamide pre-column derivatization and a**
3 **non-toxic reducing reagent 2-picoline borane**

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5 Jingjing Fang, Guochen Qin, Jun Ma, Yi-Min She*

6 Shanghai Center for Plant Stress Biology, Chinese Academy of Sciences, Shanghai
7 201602, China

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9 * Corresponding author: E-mail: ymshe@sibs.ac.cn, Tel: +86-21-57078239

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14 **Highlights**

- 15 ● Quantification of plant cell wall monosaccharides by 2-AB derivatization and
16 HPLC.
- 17 ● Optimization of the reductive amination of saccharides with 2-AB.
- 18 ● High efficiency of 2-picoline borane enabling maximization of the reaction yield.
- 19 ● Reducing the risk for human health and the environment with non-toxic reagents.

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28 **ABSTRACT**

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